

Title (en)  
RESIN BEARING BASIC NITROGEN GROUPS, ITS FABRICATION AND USE

Publication  
**EP 0296494 B1 19930908 (DE)**

Application  
**EP 88109640 A 19880616**

Priority  
DE 3720955 A 19870625

Abstract (en)  
[origin: US4981884A] A synthetic resin which carries basic nitrogen groups and is water-dilutable by protonation with an acid, containing (A) a chain-extended, amine-modified epoxy resin obtainable by reacting (a1) an epoxy resin having an average molecular weight Mn of from 300 to 6,000 and on average from 1.5 to 3.0 epoxy groups per molecule with (a2) a diketimine of a diprimary diamine, which diprimary diamine contains no further groups reactive with epoxy groups under mild conditions and (B) an amino-modified epoxy resin obtainable by reacting b1) an epoxy resin having an average molecular weight Mn of from 800 to 6,000 and on average from 1.5 to 3.0 epoxy groups per molecule with (b2) a secondary amine or a secondary-tertiary diamine, a ketimine of a primary monoamine or a ketimine of a primary/tertiary diamine or a mixture of these (b2) components, with the proviso that (A) and (B) are different.

IPC 1-7  
**C08G 59/18**; **C08G 59/40**; **C08G 59/50**; **C09D 5/44**

IPC 8 full level  
**C08L 63/00** (2006.01); **C08G 59/00** (2006.01); **C08G 59/18** (2006.01); **C08G 59/28** (2006.01); **C08G 59/40** (2006.01); **C08G 59/50** (2006.01); **C09D 5/44** (2006.01); **C09D 163/00** (2006.01)

CPC (source: EP KR US)  
**C08G 59/50** (2013.01 - KR); **C09D 5/4434** (2013.01 - EP US); **C09D 5/4473** (2013.01 - EP US)

Cited by  
EP0463474A3; US5589049A; CN1040012C; WO9503365A1; WO9316139A1; WO9502015A1

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